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Date of Deposit: February 7, 2001

PATENT
Attorney Docket No: 17810-513 (SCI-13)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ART UNIT: 1632
APPLICANTS: Rosemary A. Fricker
SERIAL NO: 09/693,043
FILING DATE: October 20, 2000
FOR : METHODS FOR INDUCING IN VIVO PROLIFERATION AND
MIGRATION OF TRANSPLANTED PROGENITOR CELLS IN THE
BRAIN

February 7, 2001
Boston, Massachusetts

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97, and 1.98, Applicant hereby makes of record the attached documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application. The order of presentation of the references should not be construed as an indication of the importance of the references.

U.S. Patents:

4,352,883	10/5/82	Lim
4,353,888	10/12/82	Sefton
4,470,461	9/11/84	Stapp
4,968,733	11/6/90	Muller and Wechs
4,976,859	12/11/90	Wechs
5,082,670	1/21/92	Gage, et al.
5,084,350	1/28/92	Chang and Wong
5,122,464	6/16/92	Wilson and Bebbington
5,158,881	10/27/92	Aebischer and Wahlberg
5,284,761	2/8/94	Aebischer and Wahlberg

APPLICANTS: Rosemary A. Fricker
U.S.S.N.: 09/693,043

5,618,531	4/8/97	Cherksey
5,750,376	5/12/98	Weiss, et al.
5,753,506	5/19/98	Johe
5,800,828	9/1/98	Dionne, et al.

Foreign Patents:

EP	0 338 841 B1	Celltech Limited	10/25/89
WO	96/31242	Albert Einstein College of Medicine of Yeshiva University	10/10/96
WO	92/19195	Brown University Research Foundation	11/12/92
WO	93/01275	Weiss and Reynolds	1/21/93
WO	94/09119	Neurospheres Ltd.	4/28/94
WO	94/10292	Neurospheres Ltd.	5/11/94
WO	94/16718	Neurospheres Ltd.	8/4/94
WO	95/00632	Amgen, Inc.	1/5/95
WO	95/05452	Cytotherapeutics, Inc.	2/23/95
WO	96/02646	Cytotherapeutics, Inc.	2/1/96

Other Documents:

Cattaneo, et al., Molec. Brain Res.; 42:161-66 (1996).
Lois and Alvarez-Buylla, Science, 264:1145-48 (1994).
Craig, et al., J. Neurosci., 16:2649-58 (1996).
Luskin, Neuron, 11:173-89 (1993).
Kuhn, et al., J. Neurosci., 17:5820-29 (1997).
Ahmed, et al., J. Neurosci., 15:5765-78 (1995).
Potten and Loeffler, Development, 110:1001-20 (1990).
Fricker, et al., J. Neurosci., 19(14): 5990-6005 (1999).

- ☐ This Information Disclosure Statement is being been filed:
within three months of the filing date of the National Application;
- ☐ within three months of the filing date of the entry of the National Stage, as set forth in 37 C.F.R.
§1.491, in an International Application; or

APPLICANTS: Rosemary A. Fricker
U.S.S.N.: 09/693,043

☒ before the mailing date of a first Office Action on the merits in the above-identified case.

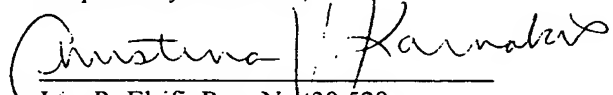
Accordingly, no fee or certification is required. 37 C.F.R. §1.97

It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested. Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 (Reference No. 17810-513 (SCI-13)).

Respectfully submitted,



Ivor R. Elrifi, Reg. No. 39,529
Christina V. Karnakis, Reg. No. 45,899
MINTZ, LEVIN, COHN, FERRIS,
GLOVSKY and POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
Tel: (617) 542-6000
Fax: (617) 542-2241

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Page 1 of 2

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PTO/SB (12-97)

Approved for use through 9/30/00. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	09/693,043
	Filing Date	October 20, 2000
	First Named Inventor	Rosemary A. Fricker
	Group Art Unit	1632
	Examiner Name	
	Attorney Docket Number	17810-513- (SCI-13)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1	4,352,883	10/5/82	Lim			
	A2	4,353,888	10/12/82	Sefton			
	A3	4,470,461	9/11/84	Stapp			
	A4	4,968,733	11/6/90	Muller and Wechs			
	A5	4,976,859	12/11/90	Wechs			
	A6	5,082,670	1/21/92	Gage, et al.			
	A7	5,084,350	1/28/92	Chang and Wong			
	A8	5,122,464	6/16/92	Wilson and Bebbington			
	A9	5,158,881	10/27/92	Aebischer and Wahlberg			
	A10	5,284,761	2/8/94	Aebischer and Wahlberg			
	A11	5,618,531	4/8/97	Cherksey			
	A12	5,750,376	5/12/98	Weiss, et al.			
	A13	5,753,506	5/19/98	Johe			
	A14	5,800,828	9/1/98	Dionne, et al.			

FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office Number		Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B1	EP	0 338 841 B1	Celltech Limited	10/25/89	
	B2	WO	96/31242	Albert Einstein College of Medicine of Yeshiva University	10/10/96	
	B3	WO	92/19195	University Research Foundation	11/12/92	
	B4	WO	93/01275	Weiss and Reynolds	1/21/93	
	B5	WO	94/09119	Neurospheres Ltd.	4/28/94	
	B6	WO	94/10292	Neurospheres Ltd.	5/11/94	
	B7	WO	94/16718	Neurospheres Ltd.	8/4/94	
	B8	WO	95/00632	Amgen, Inc.	1/5/95	

FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office Number		Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B9	WO	95/05452	Cytotherapeutics, Inc.	2/23/95	
	B10	WO	96/02646	Cytotherapeutics, Inc.	2/1/96	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	Cattaneo, et al., Molec. Brain Res., 42:161-66 (1996).
	C2	Lois and Alvarez-Buylla, Science, 264:1145-48 (1994).
	C3	Craig, et al., J. Neurosci., 16:2649-58 (1996).
	C4	Luskin, Neuron, 11:173-89 (1993).
	C5	Kuhn, et al., J. Neurosci., 17:5820-29 (1997).
	C6	Ahmed, et al., J. Neurosci., 15:5765-78 (1995).
	C7	Potten and Loeffler, Development, 110:1001-20 (1990).
	C8	Fricker, et al., J. Neurosci., 19(14): 5990-6005 (1999).

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Bjorklund, *et al.*

SERIAL NUMBER: 09/693,043

EXAMINER: Not Yet Assigned

FILING DATE: October 20, 2000

ART UNIT: 1643

FOR: METHODS FOR INDUCING *IN VIVO* PROLIFERATION AND MIGRATION OF
TRANSPLANTED PROGENITOR CELLS IN THE BRAIN

Box IDS

Assistant Commissioner for Patents

Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

U.S. Patent Documents:

5,968,829

Carpenter, Melissa

1999-10-19

Foreign Patent Documents:

WO 99/06060

University of California

1999-02-11

Other Prior Art – Non Patent Literature Documents:

International Search Report, issued 2001-05-31

Fricker-Gates, Rosemary, *et al.*, October 2000. "EGF infusion stimulates the proliferation and migration of embryonic progenitor cells transplanted in the adult rat striatum." *Exp. Neurology*, vol. 165, no. 2, pages 237-247.

Winkler, *et al.*, 1997. "Effects of intraventricular EGF-delivery on transplants of EGF-responsive neural progenitor cells." *Soc. for Neuroscience Abstracts*, vol. 23, no. 1-2, page 593.

This Information Disclosure Statement is being been filed:



within three months of the filing date of the National Application;

APPLICANTS: Bjorklund, *et al.*
U.S.S.N.: 09/693,043

- ☐ within three months of the filing date of the entry of the National Stage, as set forth in 37 C.F.R. §1.491, in an International Application; or
- ☒ within three months of the mailing date of the International Search Report;
- ☐ before the mailing date of a first Office Action on the merits in the above-identified case.

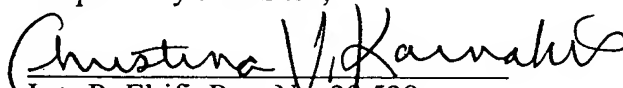
Accordingly, no fee or certification is required. 37 C.F.R. §1.97

A copy of each of the above-identified information is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

By submitting this Supplemental Information Disclosure Statement, the Applicant makes no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested. Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 17810-513 (SCI-13).

Respectfully submitted,



Ivor R. Elrifi, Reg. No. 39,529

Christina V. Karnakis, Reg. No. 45,899

Attorneys for Applicant

c/o MINTZ, LEVIN

One Financial Center

Boston, Massachusetts 02111

Tel: (617) 542-6000

Fax: (617) 542-2241

Dated: July 24, 2001

TRA 1544113v1

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PTO/SB (12-97)
Approved for use through 9/30/00. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	09/693,043
	Filing Date	10/20/00
	First Named Inventor	Bjorklund
	Group Art Unit	1643
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	17810-513 (SCI-13)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A15	US 5,968,829	10/19/99	Carpenter, Melissa			09/05/1997

FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Applicant(s)	Date of Publication	Translation Yes	No
	B11	WO	99/06060	University of California	02/11/1999		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C9	International Search Report, issued 05/30/01
	C10	Fricke-Gates, Rosemary, <i>et al.</i> , October 2000. "EGF infusion stimulates the proliferation and migration of embryonic progenitor cells transplanted in the adult rat striatum." Exp. Neurology, vol. 165, no. 2, pgs. 237-247.
	C11	Winkler, <i>et al.</i> , 1997. "Effects of intraventricular EGF-delivery on transplants of EGF-responsive neural progenitor cells." Soc. for Neuroscience Abstracts, vol. 23, no. 1-2, page 593.

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Examiner Signature		Date Considered	
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